

Title (en)  
STEM FOR A HIP PROSTHESIS

Publication  
**EP 0163013 B1 19880504 (DE)**

Application  
**EP 85102389 A 19850304**

Priority  
CH 165684 A 19840402

Abstract (en)  
[origin: US4657552A] The stem of the cephalic femoral component of a hip prosthesis is bounded by two pairs of longitudinally extending surfaces including two relatively wide and two relatively narrow surfaces. At least one of the narrow surfaces is convex, all of the surfaces taper in a direction toward a rounded tip of the stem, the radius of curvature of the convex surface or surfaces decreases in a direction toward the tip, and the wider surfaces taper toward each other in a direction from the one toward the other narrower surface. This reduces the likelihood of loosening of the stem in the medullar canal of the femur wherein the stem is implanted without cement, and the bone around the stem is less likely to be subjected to excessive localized stresses.

IPC 1-7  
**A61F 2/36**

IPC 8 full level  
**A61F 2/32** (2006.01); **A61F 2/36** (2006.01)

CPC (source: EP US)  
**A61F 2/3662** (2013.01 - EP US); **A61F 2002/30112** (2013.01 - EP US); **A61F 2002/30158** (2013.01 - EP US); **A61F 2230/0004** (2013.01 - EP US); **A61F 2230/0026** (2013.01 - EP US)

Cited by  
AT15407U1; DE3819948A1; EP0289922A1; FR2670667A1; FR2619708A1; EP0241846A1; AU596165B2

Designated contracting state (EPC)  
AT BE DE FR GB IT LU NL SE

DOCDB simple family (publication)  
**EP 0163013 A1 19851204; EP 0163013 B1 19880504**; AT E33932 T1 19880515; CA 1228202 A 19871020; CH 662940 A5 19871113; DE 3562456 D1 19880609; JP S60225550 A 19851109; US 4657552 A 19870414

DOCDB simple family (application)  
**EP 85102389 A 19850304**; AT 85102389 T 19850304; CA 478009 A 19850401; CH 165684 A 19840402; DE 3562456 T 19850304; JP 6050685 A 19850325; US 71683485 A 19850328